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MAY 15 2003  
TECHNOLOGY CENTER 2800

In the specification:

Please amend the paragraph beginning at page 3, line 26 as follows:

C1  
FIG. 4 shows the calculated magnitude of the coupled radiation with its electric field ( $E_z$ ) perpendicular to the quantum-well layers for a grating-coupled quantum-well sensor similarly constructed as in FIG. 2 but without slots, where the integrated value  $|E_z|^2$  is 0.0380.

Please amend the paragraph beginning at page 4, line 1 as follows:

C2  
FIGS. 5 and 6 respectively show the calculated electric field ( $E_z$ ) in the quantum-well layers for sensors with and without the grating teeth, where the integrated values for  $|E_z|^2$  are 0.1143 and 0.0085, respectively.